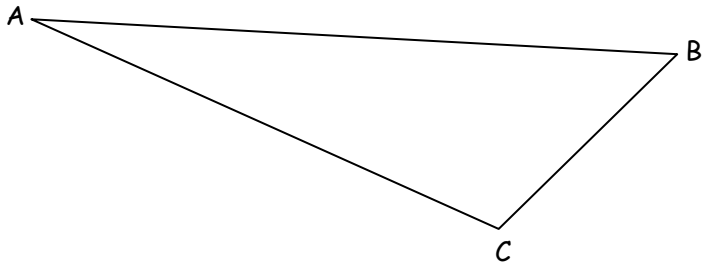
TRIANGLE INEQUALITY NOTES

TRIANGLE ANGLE RELATIONSHIPS



Smallest angle_____

Shortest side _____

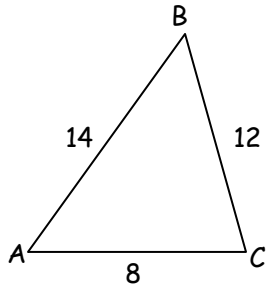
Largest angle _____

Longest side _____

Where is the shortest side in relationship to the smallest angle?

Where is the longest side in relationship to the largest angle?

LIST THE ANGLES FROM SMALLEST TO LARGEST



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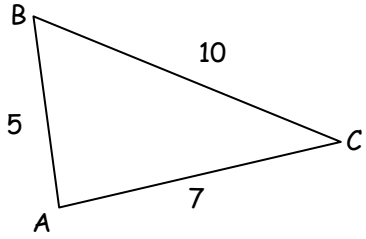

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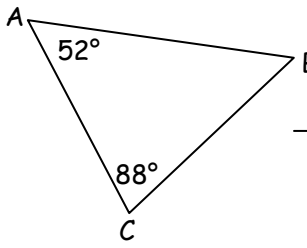
LIST THE SIDES FROM SHORTEST TO LONGEST



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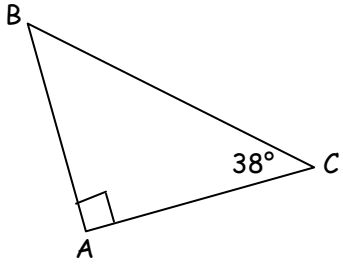

_____

NO PICTURE

List the angles from smallest to largest
ΔDEF DE = 3 EF = 7 DF = 6

_____

List the sides from shortest to longest
ΔRST ∠R = 24° ∠S = 110° ∠T = 46°

_____

THINK ABOUT IT…..

Break a piece of spaghetti so that the pieces are 7 in, 2 in, and 3 in. Could you create a triangle? Why or why not?

Can a triangle be created with sides:

a) 4in, 10in, 12in _____

b) 2in, 10in, 3in _____

c) 15in, 16in, 17in _____

d) 5in, 7in, 2in _____